

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Mechanical Technician - CNC/CAM

2020

MNC2S Curriculum Modification for 2020-21 #2

Fanshawe College

Follow this and additional works at: https://first.fanshawec.ca/cae_stthomaselgin_mechtechcnccam_documentation

Degree Audit Report

Catalog: 2020/2021

Program: MNC2S

Name: Mechanical Engineering Technician -
CNC/CAM

Department: STE - St Thomas/Elgin Campus

Academic Level: PS

CCD: 2 - Two Year Diploma

Credential: Ontario College Diploma

Grade Scheme: LG2

Major: MNC2S - Mech Eng Technican - CNC/CAM

Div: CED - Faculty of Regional & Continuing Education

Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 69.00

Residency Reqmt: 18.00

GPA Requirement: 2.00

Residency Reqmt GPA: 2.00

Minimum Grade: D

Academic Requirement: MNC2S.20 Mechanical Engineering Technician - Cnc/Cam

Major: MNC2S

Grade Scheme: LG2

Minimum GPA: 2.00

Minimum Grade:

Subrequirement: Level 1

Gen Ed - Take a 3 credit General Education elective course. Take all of the following Mandatory Courses

45 3.0

COMM-1004 - LANGUAGE & COMM. SKILLS

		Total Hours	Total Credits	GE
DRAF-1056	Blueprint Reading	45.00	3.00	
CADD-1060	Computer Aided Design 1	45.00	3.00	
DEVL-1054	Skills for Career Success	30.00	2.00	
MACH-1130	Conventional Machine Shop 1	150.00	5.50	
WRIT-1039	Reason & Writing 1 Technology	45.00	3.00	
MECH-1075	Conventional Machining Theory	45.00	3.00	
MATH-1212	Mathematics for Trades 1	30.00	2.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CADD-1081	Computer Aided Design 2	60.00	4.00	
MACH-1176	Computer Numeric Control	150.00	8.00	
MECH-1117	Geometric Dimensioning & Tolerancing	30.00	2.00	
COOP-1020	Co-operative Education Employment Prep	6.00	1.00	
MATH-3087	Mathematics for Trades 2	30.00	2.00	
MECH-1012	Jig & Fixture Design	30.00	2.00	
BUSI-1103	Introduction to Small Business Concepts	45.00	3.00	**

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course. Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
CADD-1059	Computer Aided Machining	105.00	6.00	
MACH-3049	Computer Numerical Control 3	150.00	7.50	
MATH-3056	Mathematics 4	30.00	2.00	
MACH-1166	Quality Assurance	60.00	4.00	

Subrequirement: Gen Ed - Electives

Degree Audit Report

Take 6 General Education Credits - Normally taken in Levels 1 and 3

Subrequirement: Program Residency

Students Must Complete a Minimum of 18 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program


Approved By Chair/Manager:

STERC 06/11/20
Department and Date:

Approved by Dean:

Date:

General Education Approved By(as appropriate):

Date:



June 15, 2020

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

ST. THOMAS/ELGIN REGIONAL CAMPUS

APPENDIX A

DEGREE AUDIT CHANGES FOR

MNC2S

MET - CNC/CAM

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 1								
DRAF-1056	Blueprint Reading	45	3		DRAF-1056	Blueprint Reading	45	3
CADD-1058	Computer Aided Design 1	45	3	replace with new course	CADD-1060	Computer Aided Design 1	45	3
DEVL-1054	Skills for Career Success	30	2		DEVL-1054	Skills for Career Success	30	2
MACH-1130	Conventional Machine Shop 1	150	5.5		MACH-1130	Conventional Machine Shop 1	150	5
COMM-1004	Language and Communications Skills 1	45	3		COMM-1004	Language and Communications Skills 1	45	3
MECH-1075	Conventional Machining Theory	45	3		MECH-1075	Conventional Machining Theory	45	3
MATH-1212	Mathematics for Trades 1	30	2		MATH-1212	Mathematics for Trades 1	30	2
GEN ED		45	3		GEN ED		45	3
TOTAL		435	24.5	TOTAL			435	24
Level 2								
CADD-3023	Computer Aided Design 2	32	2	replace with new course	CADD-1081	Computer Aided Design 2	60	4
MACH-1131	Computer Numerical Control 2	80	4.5	replace with new course	MACH-1176	Computer Numerical Control 2	165	8
MECH-1077	Geometric Dimensing and Tolerancing	16	1	replace with new course	MECH-1117	Geometric Dimensing and Tolerancing	30	2
MACH-1129	Jig and Mechine Theory	16	1	content to Mech-1012				
					COOP-1020	Cooperative Education Employment Prep	6	1
MATH-3088	Mathematics for Trades 2	16	1	increase hours	MATH-3087	Mathematics for Trades 2	30	2
				Add new course	MECH-1012	Jig and Fixture Design	30	2
				Move from Level 4	BUSI-1103	Introduction to Small Business Concepts	45	3
TOTAL		160	9.5	TOTAL			366	22

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

DEGREE AUDIT CHANGES FOR MNC2S MET - CNC/CAM

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 3								
CADD-3024	Computer Aided Design 3	38	2	remove and replace	CADD-1059	Computer Aided Machining	105	6
MACH-3048	Computer Numerical Control 2	75	3.5	remove and replace	MACH-3049	Computer Numerical Control 3	165	8
MECH-1076	Geometric Dimension/Tolerancing	14	1	remove				
MECH-3031	Jig and Fixtures and Machining 2	14	1	remove				
MATH-3089	Math for Trades 2B	14	1	remove and replace	MATH-3056	Mathematics 4	30	2
MACH-1166	Quality Assurance				MACH-1166	Quality Assurance	60	4
COOP-1020	Cooperative Education-Employment Prep	6	1					
BUSI-1103	Intro to Small Business Concepts	45	3	Move to Level 2				
GEN ED		45	3		GEN ED		45	3
TOTAL		251	15.5		TOTAL		405	23

Level 4								
CADD-1059	Computer Aided Machining	105	6	move to Level 3				
MACH-3049	Computer Numerical Control 3	150	7.5	move to Level 3				
MATH-3056	Mathematics 4	30	2	move to Level 3				
MACH-1166	Quality Assurance	60	4	move to Level 3				

	TOTAL	345	19.5			TOTAL	0	0
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PROGRAM TOTAL 1191 69

PROGRAM TOTAL 1206 69